

Name \_\_\_\_\_

## E-Sheet: Lightning the Shocking Story Connecting Our Life to the Web: Post- Session

We have all been outside on a summer day and watched the clouds move in. Soon we see the clouds pushing towards one another and see lightning. But what causes lightning? Let's find out!

### Sites to Explore:

Science Made Simple: <http://www.sciencemadesimple.com/static.html>

Theater of Electricity <http://www.mos.org/sln/toe/toe.html>

The Lightning Story: <http://www.nationalgeographic.com/lightning/index.html>

Brain Pop Movie: <http://www.brainpop.com/science/electricity/electricity/index.weml>

Make your own Lightning: <http://www.energyquest.ca.gov/projects/lightning.html>

1. Lets start our investigation with checking out what causes lightning. Click on the site **Science Made Simple** and learn about something called static electricity. Next click on **Theater of Electricity** and go to the button marked Lightning. What do you think causes lightning?

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2. Now lets check out the types of damage it can causes. Click on **The Lightning Story**. Begin with the link The Shocking Story and go through all the buttons listed there as well as the buttons to the left of the screen. Record below what causes lightning to happen, what attracts lightning, and three types of lightning. For fun go back to the Shocking Story and take the quiz. How did you do?

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3. If a lightning storm came your way, what are some things to do to stay safe? List as many as you can think of on have found on the Internet.
4. How about a movie! Go to **Brain Pop Movie** and view the movie Electricity and Static Electricity. Choose only two per day for free! **Caution!!! Any extra clicks will count as a movie even if you haven't seen one.**
5. Return to the site **Theater of Electricity** and click on the quiz to see what you have learned about Lightning. Now for some real fun let's see how you can create lightning at home. Try the last site **Make your own Lightning** and see what you can create at home!! **Enjoy!!**